

Light (Y5&6)

knowledge

Light appears to travel in straight lines	We see objects when light from them goes into our eyes.
The light that allows us to see may come directly from light sources but for other objects some light must be reflected from the object into our eyes for the object to be seen.	The sun plays an important part in forming rainbows . The sun shines through the water particles and the water particles act like prisms. A prism is an object that is transparent, or see-through, and when light passes through it, it gets 'bent' or spread out into a bunch of different colours.
Because light travels in straight lines the shape of the shadow will be the same as the outline shape of the object.	Be able to show on a diagram how light travels using arrows and refer to these as light rays.
Objects that block light (are not fully transparent) will cause shadows.	Explain how periscopes, magnifying glasses and telescopes work.
We actually see things upside down but our brains flip the images the right way up.	



Subject Vocabulary

refraction	the bending of light as it passes from one substance to another
spectrum	light we can see, which is called visible light, is part of the electromagnetic spectrum
rainbow	an arc or circle that exhibits in bands the colours of the spectrum
colour	a part of light which is separated when it is reflected off of an object
straight lines	A line that does not bend or change direction
light rays	A strip of light that comes from an object

